ANALYTICA CHIMICA ACTA, VOL. 271 (1993)

AUTHOR INDEX

Adler, B.

-, Schütze, P. and Will, J.

Expert system for interpretation of x-ray diffraction spectra 287

Aleixo, L.M.

—, De Fátima B. Souza, M., Godinho, O.E.S., De Oliveira Neto, G., Gushikem, Y. and Moreira, J.C. Development of a chemically modified electrode based on carbon paste and functionalized silica gel for preconcentration and voltammetric determination of mercury(II) 143

Andersson, R., see Hämäläinen, M.D. 101 Aparicio López, R., see García Pulido, J. 293

Ashurst, P.R., see Koziet, J. 31

Bakker, T., see Wehrens, R. 11 Baldwin, J.R., see Rossi, D.T. 59 Blankenstein, G.

—, Preuschoff, F., Spohn, U., Mohr, K.-H. and Kula, M.-R.

Determination of L-glutamate and L-glutamine by flow-injection analysis and chemiluminescence detection: comparison of an enzyme column and enzyme membrane sensor 231

Boyd-Boland, A.A.

- and Eckert, J.M.

Determination of nonionic surfactants by spectrophotometry after extraction with potassium triiodide 311

Broekaert, J.A.C., see Bulska, E. 171 Buckley, E., see Thompson, R.Q. 223

Tschöpel, P., Broekaert, J.A.C. and Tölg, G.
Different sample introduction systems for the simultaneous determination of As, Sb and Se by microwave-induced

plasma atomic emission spectrometry 171

Burns, D.T., see Chimpalee, N. 247 Buydens, L., see Wehrens, R. 11

Chen, G.N.

Assessment of environmental water with fuzzy cluster analysis and fuzzy recognition 115

Chimpalee, D., see Chimpalee, N. 247

Chimpalee, N.

—, Chimpalee, D., Jarungpattananon, R., Lawratchavee, S. and Burns, D.T.

Spectrofluorimetric flow-injection determination of calcium using Calcein 247

Dean, J.R., see Kane, M. 83

De Andrade, J.F.

- and Guimarães, O.M.

Potentiometric study of azide complexes of copper(II) in aqueous medium 149

De Fátima B. Souza, M., see Aleixo, L.M. 143 De Oliveira Neto, G., see Aleixo, L.M. 143 Dowle, C.J., see Kane, M. 83

Eckert, J.M., see Boyd-Boland, A.A. 311 Ehrlich, M., see Wienke, D. 253 El'skaya, A.V., see Korpan, Y.I. 203

Farias, P.A.M.

—, Ohara, A.K., Takase, I., Ferreira, S.L.C. and Gold, J.S.

Adsorptive preconcentration for voltammetric measurements of trace levels of vanadium in the presence of copper 209

Ferreira, S.L.C., see Farias, P.A.M. 209

Frigge, C.

- and Jackwerth, E.

Systematic investigation of multi-element preconcentration from copper alloys by carbamate precipitation before atomic absorption spectrometric analysis 299

Furuichi, R., see Tamura, H. 305 Furusawa, M., see Kiba, N. 47

Galan-Estella, F., see Hernández, P. 217 García Pulido, J.

- and Aparicio López, R.

Triacylglycerol determination based on fatty acid composition using chemometrics 293

Godinho, O.E.S., see Aleixo, L.M. 143

Gold, J.S., see Farias, P.A.M. 209

Gonchar, M.V., see Korpan, Y.I. 203

Goto, Y., see Kiba, N. 47

Guimarães, O.M., see De Andrade, J.F. 149

Gushikem, Y., see Aleixo, L.M. 143

Halsall, H.B., see Thompson, R.Q. 223 Hämäläinen, M.D.

—, Liang, Y.-z., Kvalheim, O.M. and Andersson, R. Deconvolution in one-dimensional chromatography by heuristic evolving latent projections of whole profiles retention time shifted by simplex optimization of cross-correlation between target peaks 101

Hasebe, K., see Nakabayashi, S. 25 Hayashi, Y.

- and Rutan, S.C.

Accuracy, precision and information of the adaptive Kalman filter in chromatography 91

Heineman, W.R., see Thompson, R.Q. 223

Hernández, L., see Hernández, P. 217

Hernández, P.

-, Galan-Estella, F. and Hernández, L.

Determination of 4-nitrobiphenyl by adsorptive stripping square-wave polarography 217

Higson, S.P.J.

- and Vadgama, P.M.

Diamond-like carbon coated microporous polycarbonate as a composite barrier for a glucose enzyme electrode 125

Hitchen, S.M., see Kane, M. 83 Howard, A.G., see Taylor, I. 77

Irth, H., see Van der Vlis, E. 69

Jackwerth, E., see Frigge, C. 299

Jarungpattananon, R., see Chimpalee, N. 247

Johansson, G., see Skoog, M. 39

Jones, D.R.

Improved spectrophotometric method for the determination of low levels of bromide 315

Kane, M.

-, Dean, J.R., Hitchen, S.M., Dowle, C.J. and Tranter, R.L.

Experimental design approach for supercritical fluid extraction 83

Kateman, G., see Wehrens, R. 11

Kateman, G., see Wienke, D. 253

Kiba, N.

—, Ueda, F., Saegusa, K., Goto, Y., Furusawa, M. and Yamane, T.

Flow-injection determination of 1,5-anhydroglucitol in serum with an immobilized pyranose oxidase reactor and chemiluminescence detection 47

Kojło, A., see Michałowski, J. 239

Korpan, Y.I.

—, Soldatkin, A.P., Starodub, N.F., El'skaya, A.V., Gonchar, M.V., Sibirny, A.A. and Shul'ga, A.A.

Methylotrophic yeast microbiosensor based on ion-sensitive field effect transistors for methanol and ethanol determination 203

Koziet, J.

—, Rossmann, A., Martin, G.J. and Ashurst, P.R.

Determination of carbon-13 content of sugars of fruit and vegetable juices. A European inter-laboratory comparison 31

Kudo, I., see Nakabayashi, S. 25

Kudo, M., see Tamura, H. 305

Kula, M.-R., see Blankenstein, G. 231

Kuma, K., see Nakabayashi, S. 25

Kvalheim, O.M., see Hämäläinen, M.D. 101

Lakowicz, J.R.

- and Maliwal, B.

Optical sensing of glucose using phase-modulation fluorimetry 155

Lawratchavee, S., see Chimpalee, N. 247

Liang, Y.-z., see Hämäläinen, M.D. 101

Lin, Y., see Wang, J. 53

Lucasius, C., see Wienke, D. 253

Maliwal, B., see Lakowicz, J.R. 155

Martin, G.J., see Koziet, J. 31

Matsunaga, K., see Nakabayashi, S. 25

Michałowski, J.

—, Kojlo, A., Trojanowicz, M., Szostek, B. and Zagatto, E.A.G.

Simultaneous determination of sucrose and reducing sugars using indirect flow-injection biamperometry 239

Mohr, K.-H., see Blankenstein, G. 231

Moreira, J.C., see Aleixo, L.M. 143

Motellier, S.

- and Toulhoat, P.

Modified acid-base behaviour of resin-bound pH indicators 323

Mugo, R.K.

- and Orians, K.J.

Seagoing method for the determination of chromium(III) and total chromium in sea water by electron-capture detection gas chromatography 1

Mulder, W.H., see Wehrens, R. 11

Nakabayashi, S.

—, Kudo, I., Kuma, K., Matsunaga, K. and Hasebe, K. Trace determination of sugar acids (gluconic acid) in sea water by liquid chromatography 25

Narang, P.K., see Rossi, D.T. 59

Ohara, A.K., see Farias, P.A.M. 209 Orians, K.J., see Mugo, R.K. 1

Phillips, B.A., see Rossi, D.T. 59

Piasecki, D.A.

- and Wirth, M.J.

Internal viscosity of sodium dodecyl sulfate micelles as a function of the chain length of *n*-alcohol modifiers 183

Porter, M., see Thompson, R.Q. 223

Powell, H.K.J., see Town, R.M. 195

Preuschoff, F., see Blankenstein, G. 231

Rossi, D.T.

—, Phillips, B.A., Baldwin, J.R. and Narang, P.K. Improved methodology for subnanogram quantitation of doxorubicin and its 13-hydroxy metabolite in biological fluids by liquid chromatography 59

Rossmann, A., see Koziet, J. 31

Rothmaier, M.

- and Simon, W.

Chloride-selective electrodes based on mercury organic compounds as neutral carriers 135

Rutan, S.C., see Hayashi, Y. 91

Saegusa, K., see Kiba, N. 47

Sârbu, C.

Application of informational analysis of variance in analytical chemistry 269

Schütze, P., see Adler, B. 287

Shul'ga, A.A., see Korpan, Y.I. 203

Sibirny, A.A., see Korpan, Y.I. 203

Simon, W., see Rothmaier, M. 135

Skoog, M.

and Johansson, G.

Simultaneous enzymatic and tautomeric reactions of D-fructose in a reactor with immobilized hexokinase 39

Smyth, M.R., see Thompson, R.Q. 223

Soldatkin, A.P., see Korpan, Y.I. 203

Spohn, U., see Blankenstein, G. 231

Starodub, N.F., see Korpan, Y.I. 203

Stuver, C., see Thompson, R.Q. 223

Szostek, B., see Michałowski, J. 239

Takase, I., see Farias, P.A.M. 209

Tamura, H.

-, Kudo, M. and Furuichi, R.

Polyfunctionality of resin carboxyl sites in ion exchange with alkali metal ions 305

Tatsu, Y.

—, Yamamura, S., Yamamoto, H. and Yoshikawa, S. Fluorimetry of haemolyis of red blood cells by catalytic reaction of leaked haemoglobin: application to homogeneous fluorescence immunoassay 165

Taylor, I.

- and Howard, A.G.

Measurement of primary amine groups on surface-modified silica and their role in metal binding 77

Thompson, R.Q.

—, Porter, M., Stuver, C., Halsall, H.B., Heineman, W.R., Buckley, E. and Smyth, M.R.

Zeptomole detection limit for alkaline phosphatase using 4-aminophenylphosphate, amperometric detection, and an optimal buffer system 223

Tjaden, U.R., see Van der Vlis, E. 69

Tölg, G., see Bulska, E. 171

Toulhoat, P., see Motellier, S. 323

Town, R.M.

— and Powell, H.K.J.

Limitations of XAD resins for the isolation of the non-colloidal humic fraction in soil extracts and aquatic samples 195

Tranter, R.L., see Kane, M. 83

Trojanowicz, M., see Michałowski, J. 239

Tschöpel, P., see Bulska, E. 171

Ueda, F., see Kiba, N. 47

Vadgama, P.M., see Higson, S.P.J. 125

Van der Greef, J., see Van der Vlis, E. 69

Van der Vlis, E.

-, Irth, H., Tjaden, U.R. and Van der Greef, J.

Reversed-phase liquid chromatographic determination of doxorubicin after on-line trace enrichment on iron(III)-loaded 8-hydroxyquinoline-bonded silica 69

Van Hoof, P., see Wehrens, R. 11

Vossen, M., see Wehrens, R. 11

Wang, J.

— and Lin, Y.

On-line organic-phase enzyme detector 53

Wehrens, R.

—, Van Hoof, P., Buydens, L., Kateman, G., Vossen, M., Mulder, W.H. and Bakker, T.

Sampling of aquatic sediments. Design of a decision-support system and a case study 11

Wienke, D.

-, Lucasius, C., Ehrlich, M. and Kateman, G.

Multicriteria target vector optimization of analytical procedures using a genetic algorithm. Part II. Polyoptimization of the photometric calibration graph of dry glucose sensors for quantitative clinical analysis 253

Will, J., see Adler, B. 287

Wirth, M.J., see Piasecki, D.A. 183

Yamamoto, H., see Tatsu, Y. 165

Yamamura, S., see Tatsu, Y. 165

Yamane, T., see Kiba, N. 47

Yoshikawa, S., see Tatsu, Y. 165

Zagatto, E.A.G., see Michałowski, J. 239

Zelić, M.

Design of experiments and data treatment in the study of mixed-ligand complexes 275